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FEE TRANSMITTAL For FY 2005		Complete if Known	
		Application Number	10/661,831-Conf. #7713
		Filing Date	September 12, 2003
		First Named Inventor	Qing Hu
		Examiner Name	Not Yet Assigned
<input checked="" type="checkbox"/> Applicant claims small entity status. See 37 CFR 1.27		Art Unit	2828
TOTAL AMOUNT OF PAYMENT		(\$)	100.00
		Attorney Docket No.	101328-0178

METHOD OF PAYMENT (check all that apply)

☒ Check ☐ Credit Card ☐ Money Order ☐ None ☐ Other (please identify): _____

☐ Deposit Account Deposit Account Number: **141449** Deposit Account Name: **Nutter McClennen & Fish LLP**

For the above-identified deposit account, the Director is hereby authorized to: (check all that apply)

☐ Charge fee(s) indicated below ☐ Charge fee(s) indicated below, **except for the filing fee**

☒ Charge any additional fee(s) or underpayment of fee(s) under 37 CFR 1.16 and 1.17 ☒ Credit any overpayments

FEE CALCULATION

1. BASIC FILING, SEARCH, AND EXAMINATION FEES

Application Type	FILING FEES		SEARCH FEES		EXAMINATION FEES		Fees Paid (\$)
	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	Fee (\$)	Small Entity Fee (\$)	
Utility	300	150	500	250	200	100	
Design	200	100	100	50	130	65	
Plant	200	100	300	150	160	80	
Reissue	300	150	500	250	600	300	
Provisional	200	100	0	0	0	0	

2. EXCESS CLAIM FEES

Fee Description	Fee (\$)	Small Entity Fee (\$)
Each claim over 20 (including Reissues)	50	25
Each independent claim over 3 (including Reissues)	200	100
Multiple dependent claims	360	180
Total Claims	Extra Claims	Fee (\$)
28	- 28 =	x =
Indep. Claims	Extra Claims	Fee (\$)
6	- 5 =	1 x 100.00 =

3. APPLICATION SIZE FEE

If the specification and drawings exceed 100 sheets of paper (excluding electronically filed sequence or computer listings under 37 CFR 1.52(e)), the application size fee due is \$250 (\$125 for small entity) for each additional 50 sheets or fraction thereof. See 35 U.S.C. 41(a)(1)(G) and 37 CFR 1.16(s).

Total Sheets	Extra Sheets	Number of each additional 50 or fraction thereof	Fee (\$)	Fee Paid (\$)
- 100 =	/50	(round up to a whole number) x	=	

4. OTHER FEE(S)

Non-English Specification, \$130 fee (no small entity discount)

Other (e.g., late filing surcharge): _____

SUBMITTED BY		Registration No.	43,810	Telephone	(617) 439-2000
Signature		(Attorney/Agent)			
Name (Print/Type)	Reza Mollaaghababa			Date	

Fee Transmittal	
I hereby certify that this paper (along with any paper referred to as being attached or enclosed) is being deposited with the U.S. Postal Service on the date shown below with sufficient postage as First Class Mail, in an envelope addressed to: MS Amendment, Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.	
Dated: <u>June 19, 2006</u>	Signature: (Reza Mollaaghababa)

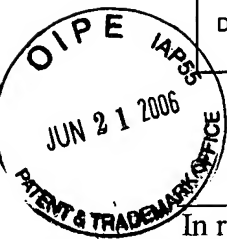
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Dated: June 19, 2006

Signature: [Signature]

(Reza Mollaaghababa)

Docket No.: 101328-0178
(PATENT)



IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Qing Hu et al.

Application No.: 10/661,831

Confirmation No.: 7713

Filed: September 12, 2003

Art Unit: 2828

For: TERAHERTZ LASERS AND AMPLIFIERS
BASED ON RESONANT OPTICAL PHONON
SCATTERING TO ACHIEVE POPULATION
INVERSION

Examiner: Van Roy, Tod Thomas

RESPONSE

MS Amendment
Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450

Dear Sir:

In response to the Office Action issued on March 24, 2006 in the above-referenced patent application, Applicants provide the following remarks. Reconsideration and allowance are respectfully requested.

A Listing of Claims begins on Page 2.

Remarks begin on Page 10.

06/21/2006 EAREGAY1 00000044 10661831

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